US009823631B1

(12) **United States Patent**
Loo et al.

(10) **Patent No.: US 9,823,631 B1**
(45) **Date of Patent: Nov. 21, 2017**

(54) **NOTEBOOK COMPUTER WITH MOTORIZED DISPLAY POSITIONING**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 913 days.

(21) Appl. No.: **14/043,167**

(22) Filed: **Oct. 1, 2013**

(51) **Int. Cl.**
G05B 15/02 (2006.01)
H02K 7/116 (2006.01)
H05K 5/00 (2006.01)

(52) **U.S. Cl.**
CPC ***G05B 15/02*** (2013.01); ***H02K 7/116*** (2013.01); ***H05K 5/0017*** (2013.01)

(58) **Field of Classification Search**
CPC ... C23C 14/0641; C23C 14/542; C23C 14/08; C23C 14/28
See application file for complete search history.

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(57) **ABSTRACT**

A portable computer that has a motorized hinge structure capable of moving the lid between an open and closed position. The movement of the lid is based on input from a plurality of sensors. One sensor may be configured to determine whether the user is within a predetermined threshold distance. Another sensor may be capable of detecting whether the user has made direct contact with the laptop. In one embodiment, the computer may have an image sensor configured to detect the user's face and continuously adjust the angle and position of the lid to keep the face in the field of view of the camera and/or keep the lid in the optimum viewing position.

18 Claims, 10 Drawing Sheets